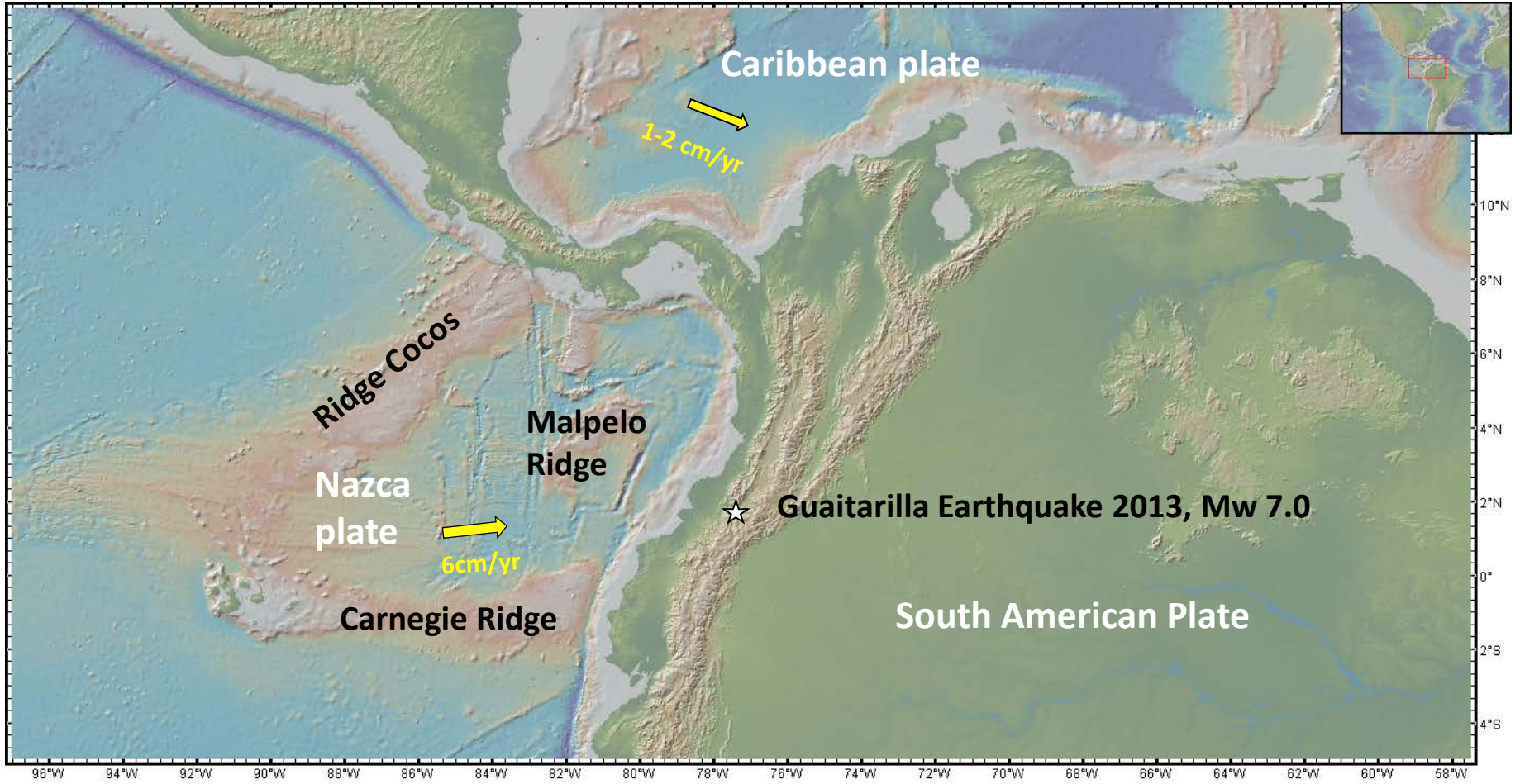


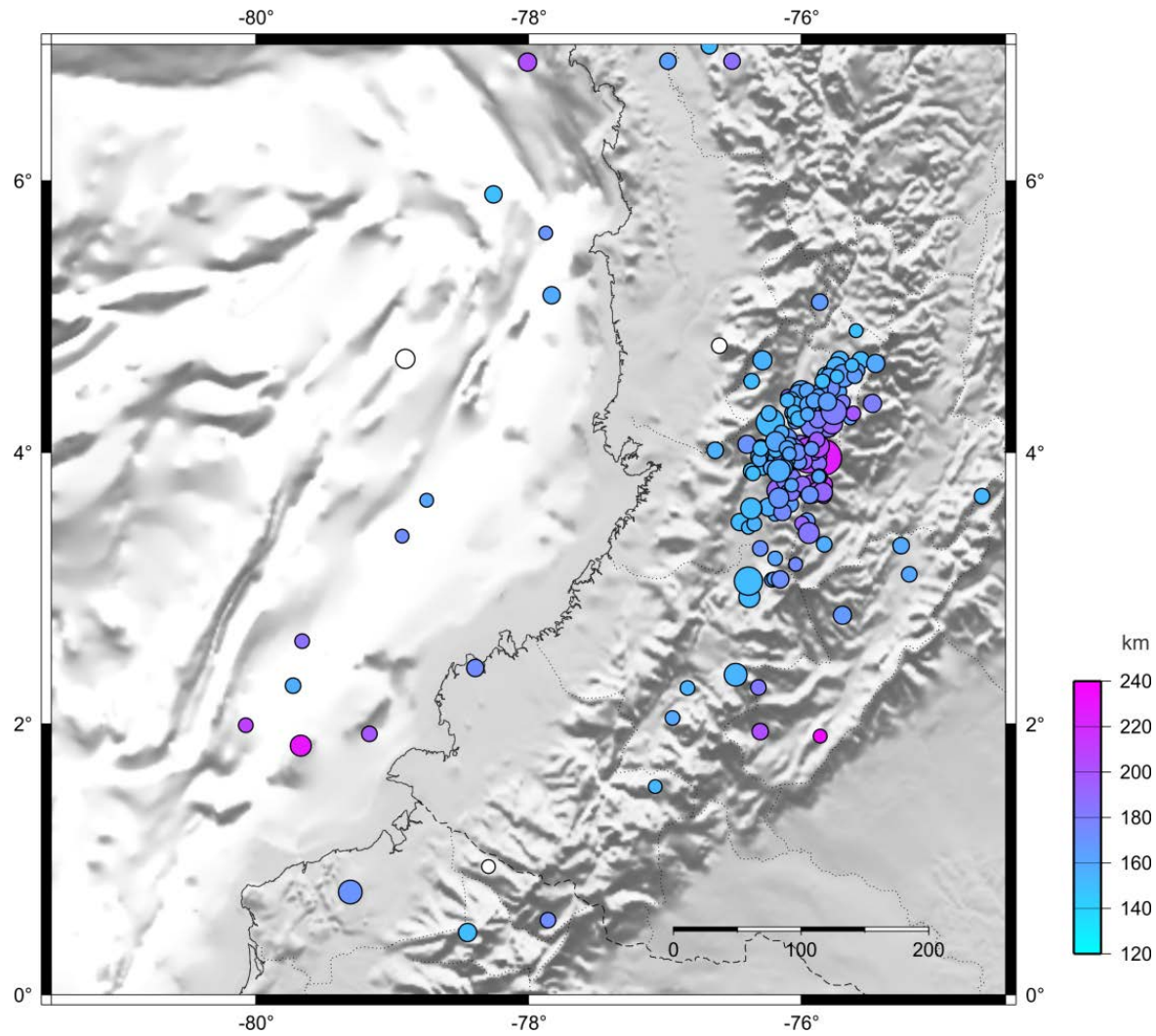
Guaitarilla Earthquake Mw 6.8

9 Feb 2013

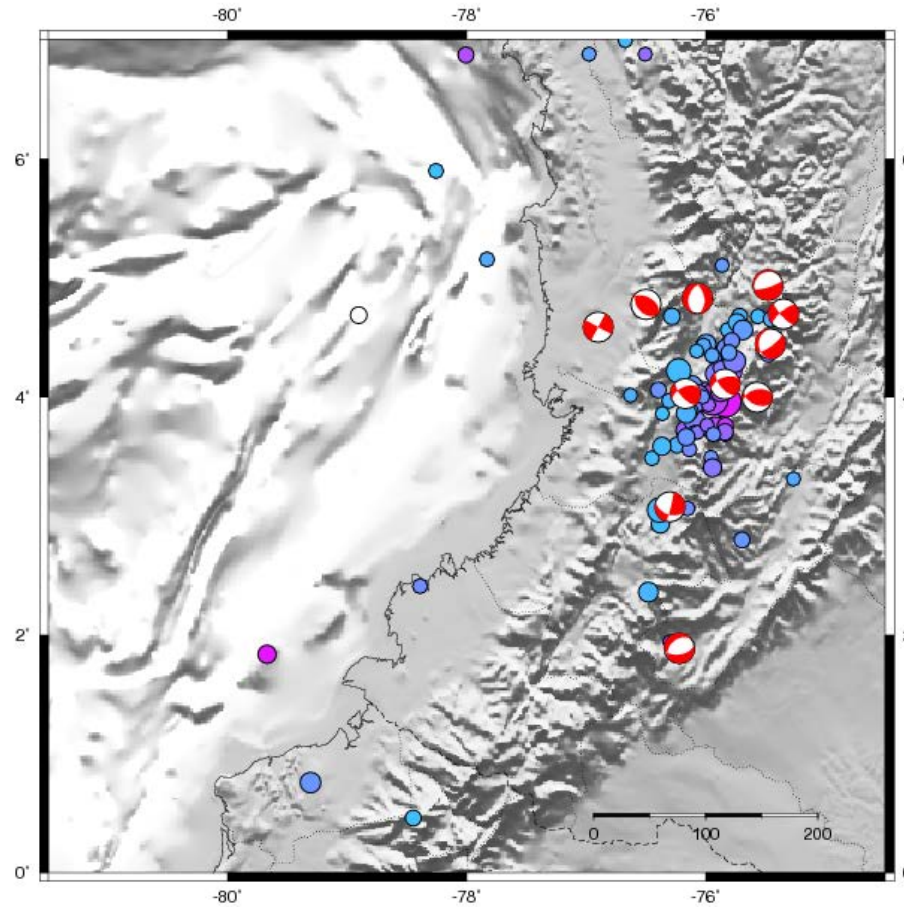
PATRICIA PEDRAZA G.
RED SISMOLOGICA NACIONAL DE
COLOMBIA



National Seismic Network 1993 - 2012



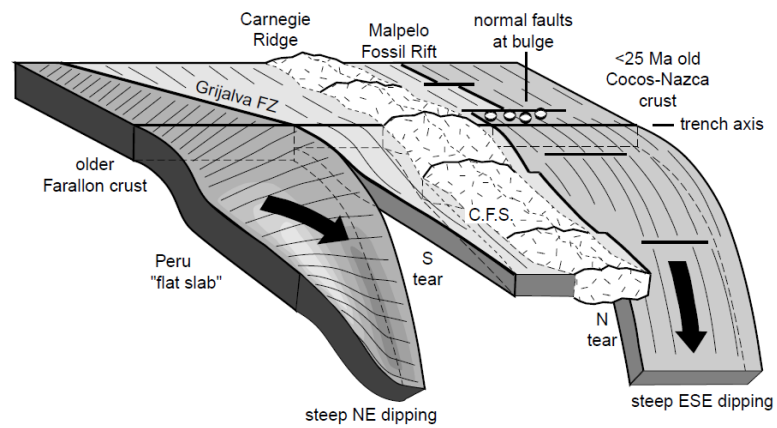
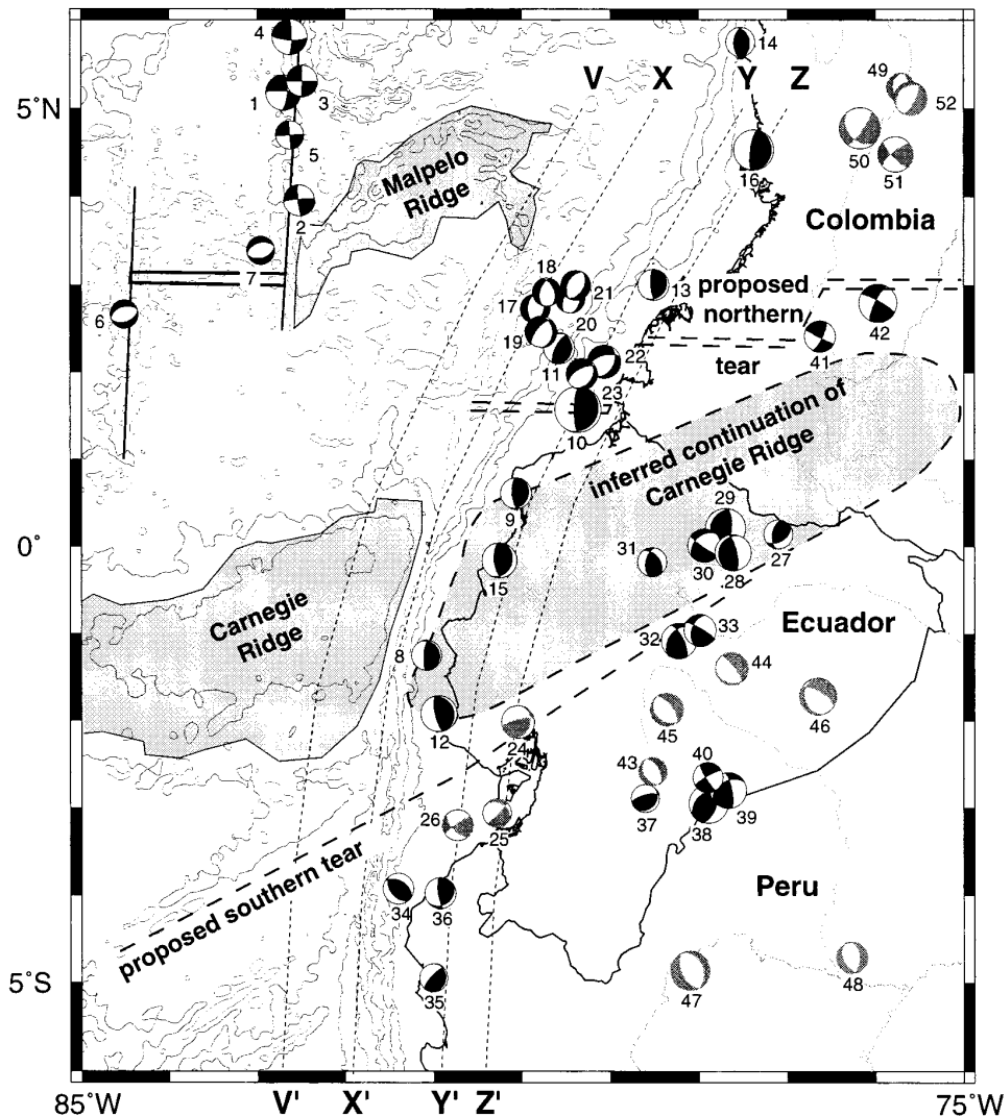
GCMT – Harvard 1976 - 2012



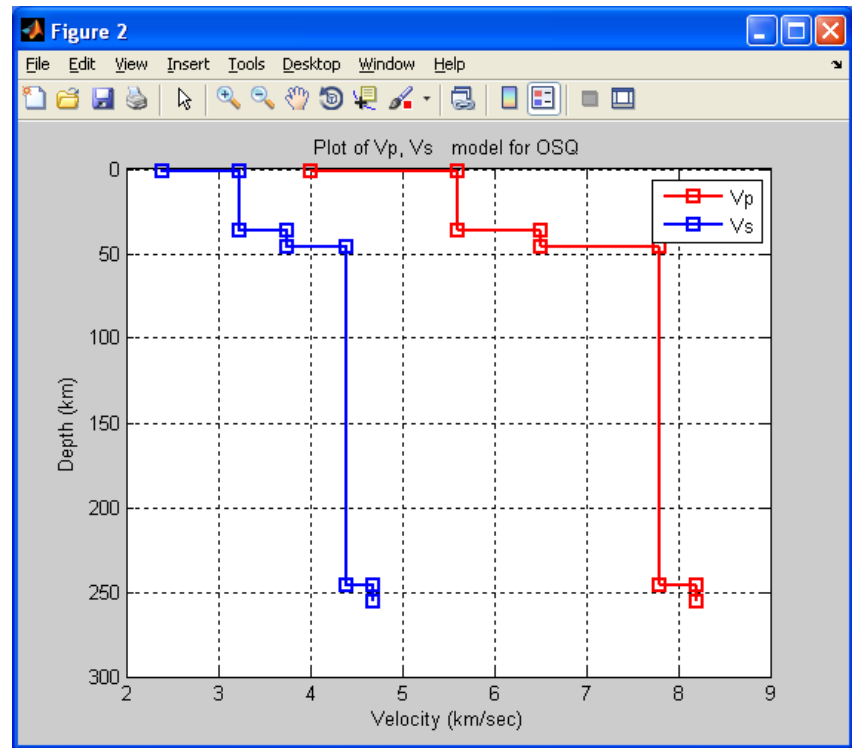
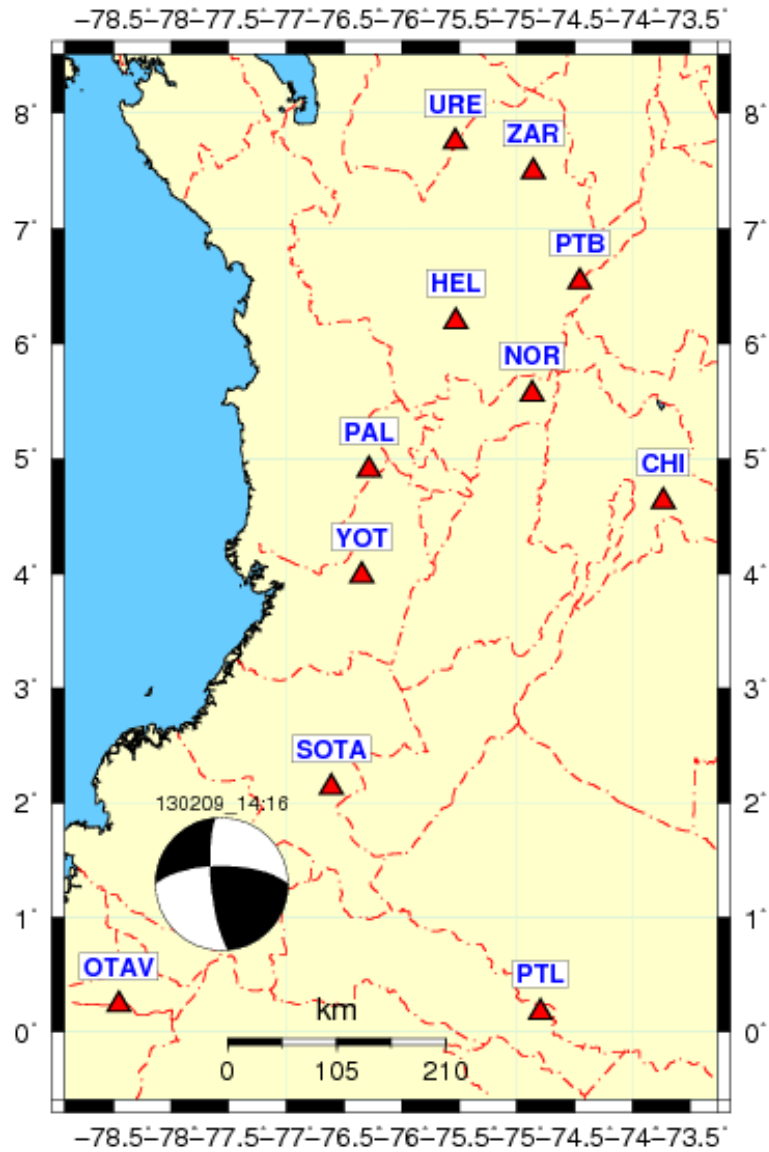
201302091416A COLOMBIA

Date: 2013/ 2/ 9 Centroid Time: 14:16:14.5 GMT
Lat= [1.16](#) Lon= [-77.40](#)
Depth=152.3 Half duration= 7.5
Centroid time minus hypocenter time: 6.6
Moment Tensor: Expo=26 -0.124 -0.732 0.856 -0.966 -1.070 3.300
Mw = 7.0 mb = 6.7 Ms = 6.9 Scalar Moment = 3.65e+26
Fault plane: strike=171 dip=75 slip=167
Fault plane: strike=265 dip=78 slip=15





Event ID:130209_14_16_05.70

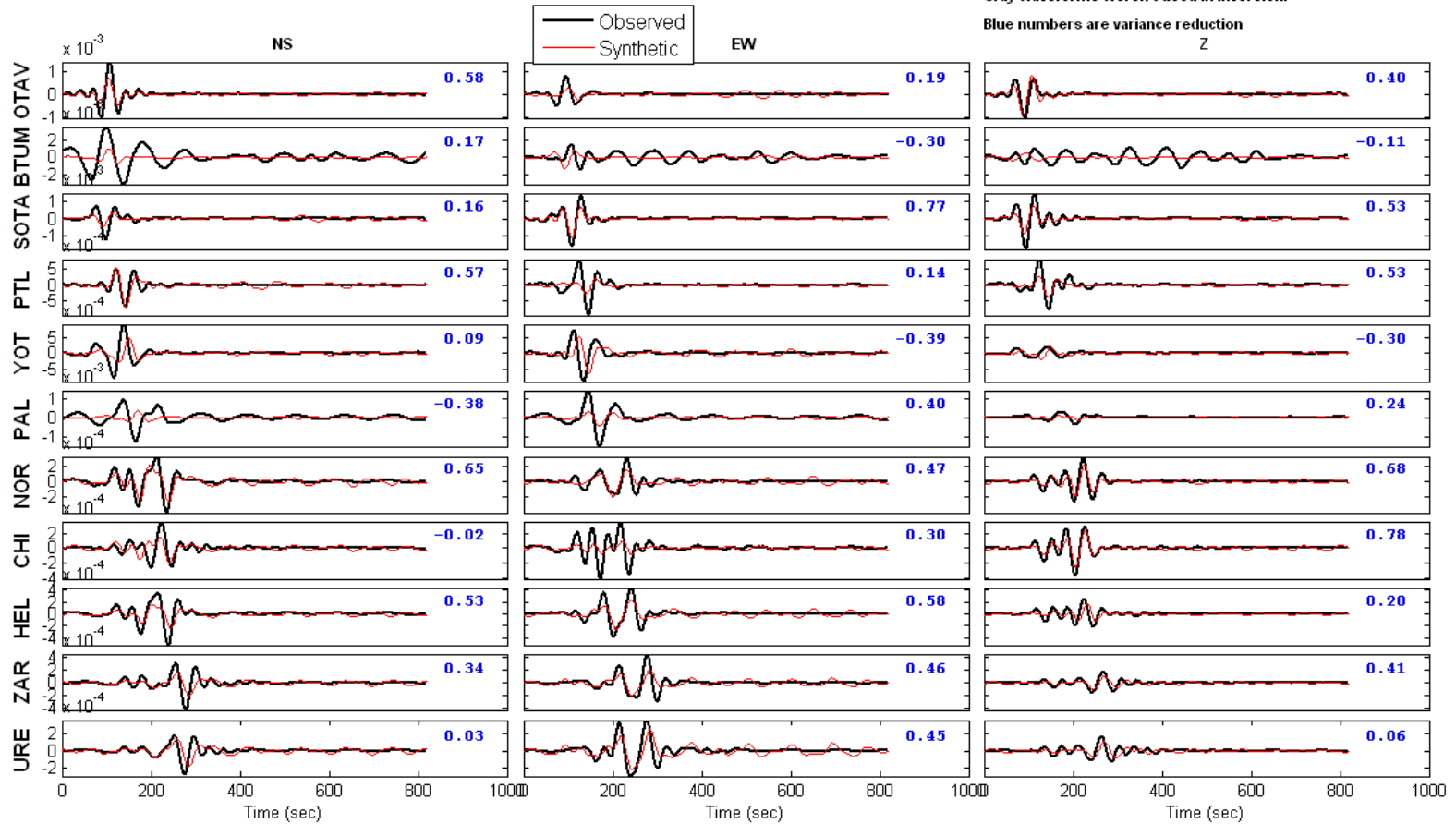


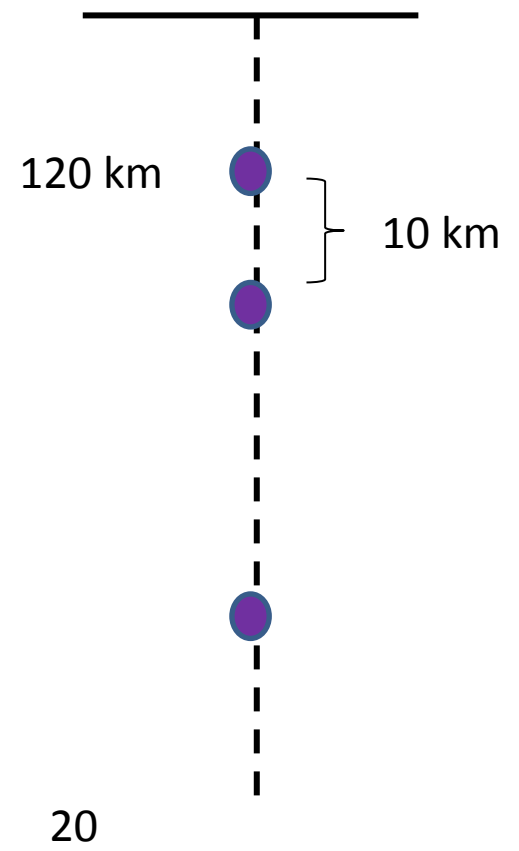
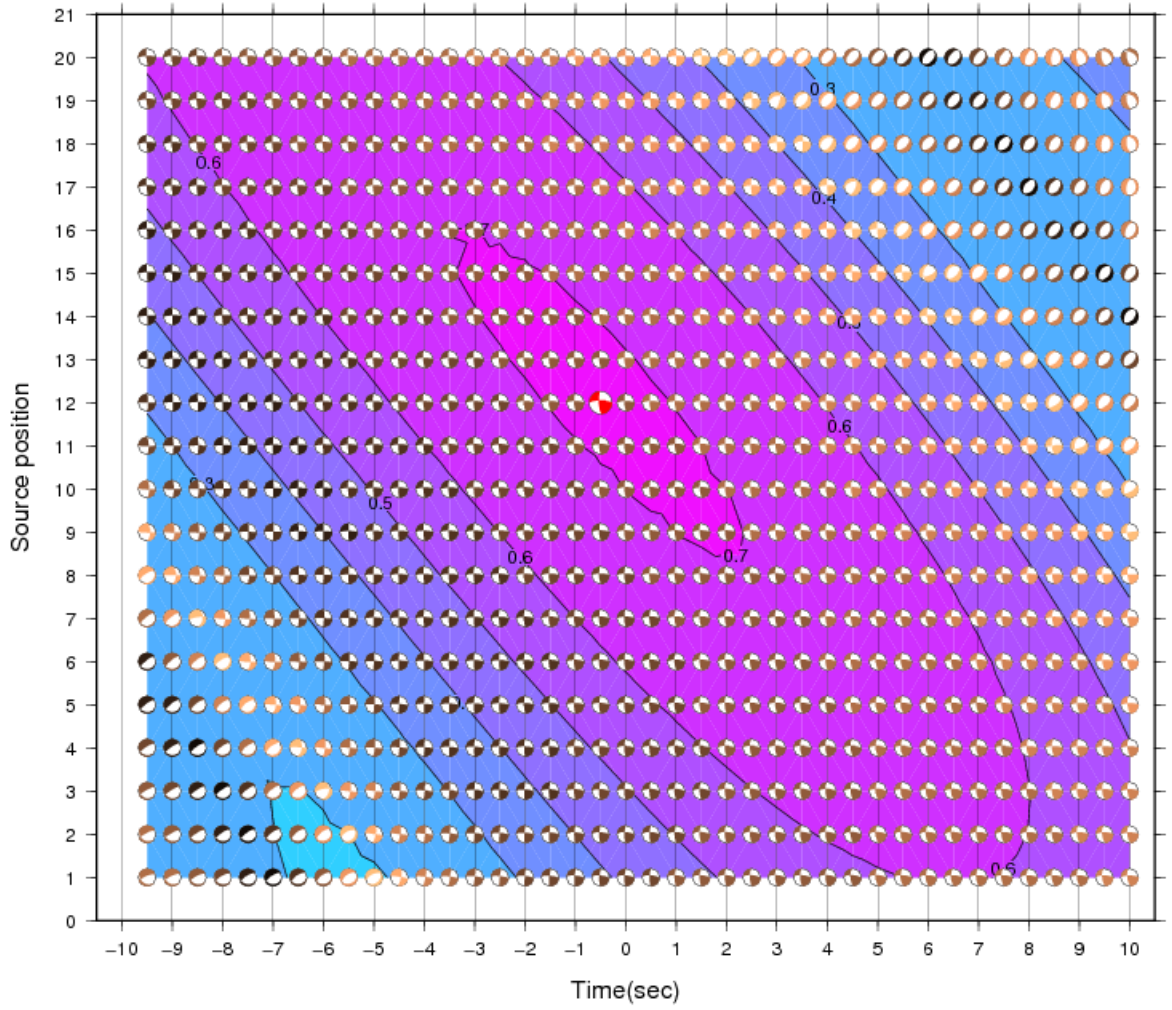
Event date-time: 130209_14_16_05.70

Displacement (m). Inversion band (Hz) 0.01 0.01 0.03 0.04

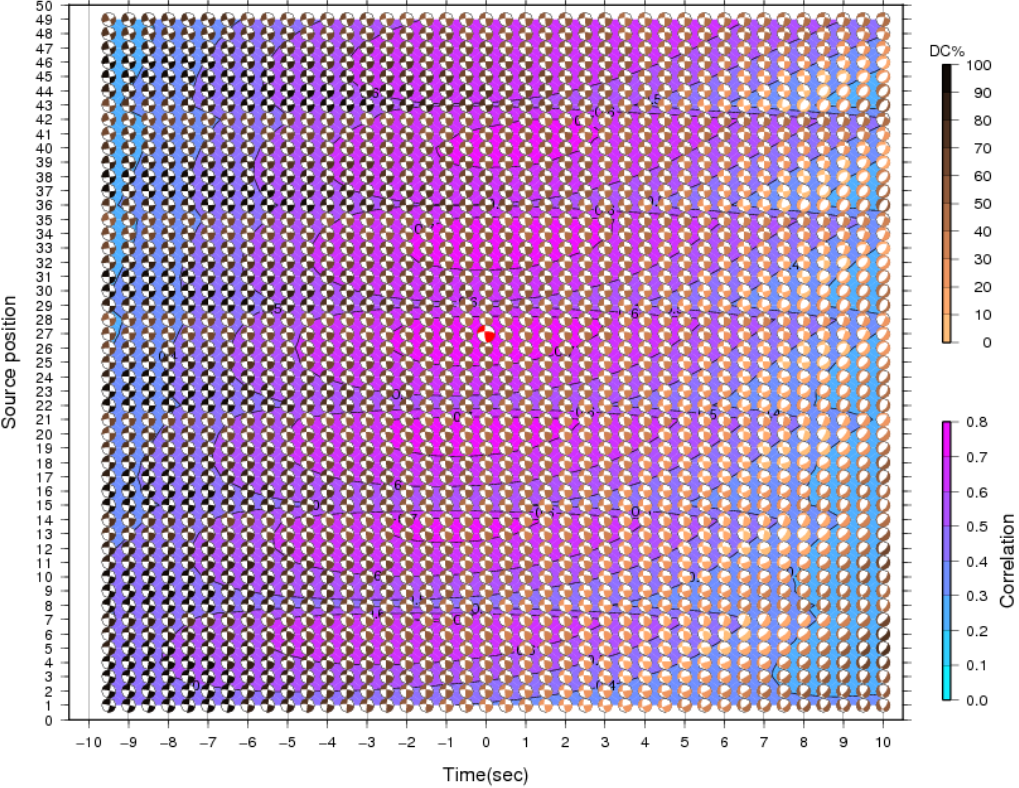
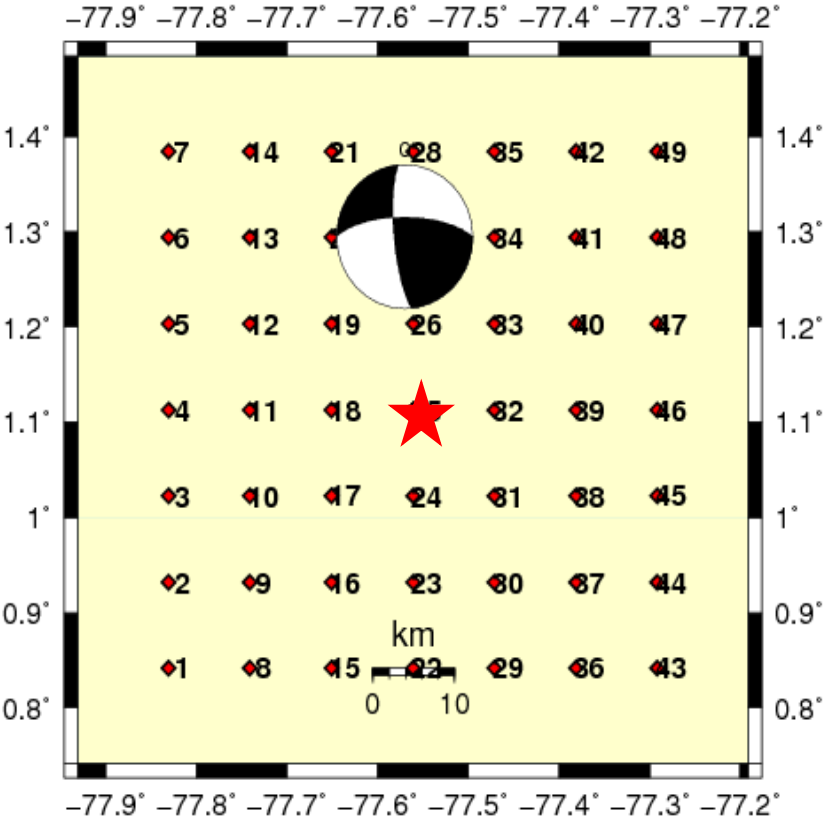
Gray waveforms weren't used in inversion.

Blue numbers are variance reduction



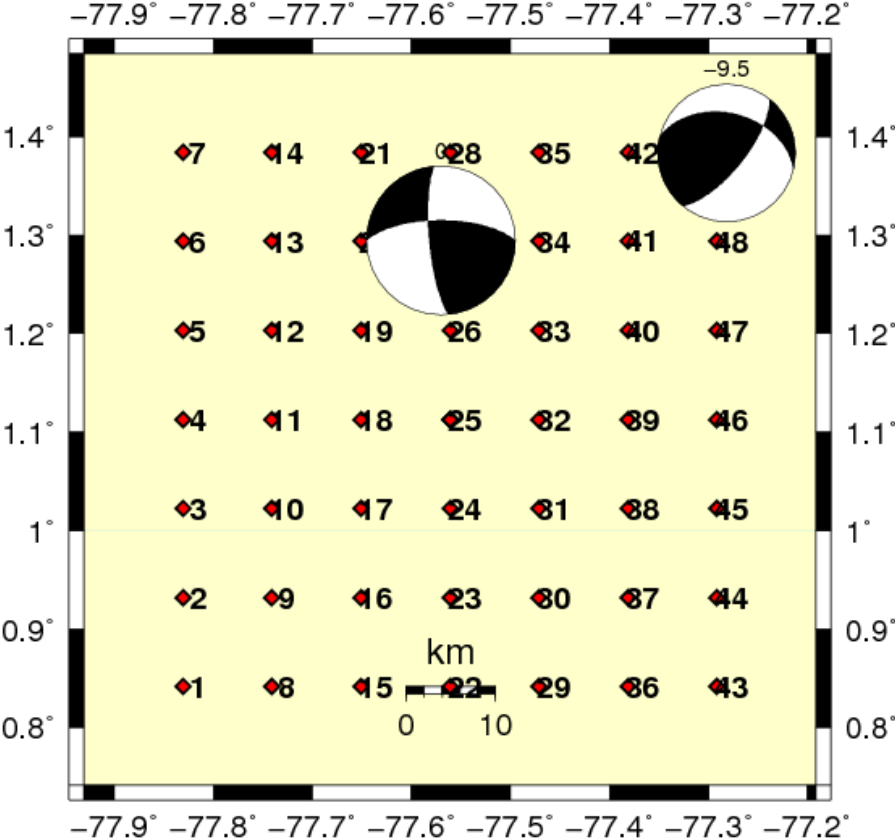


All stations



Plane - Depth 175 km

Plane - Depth 175 km

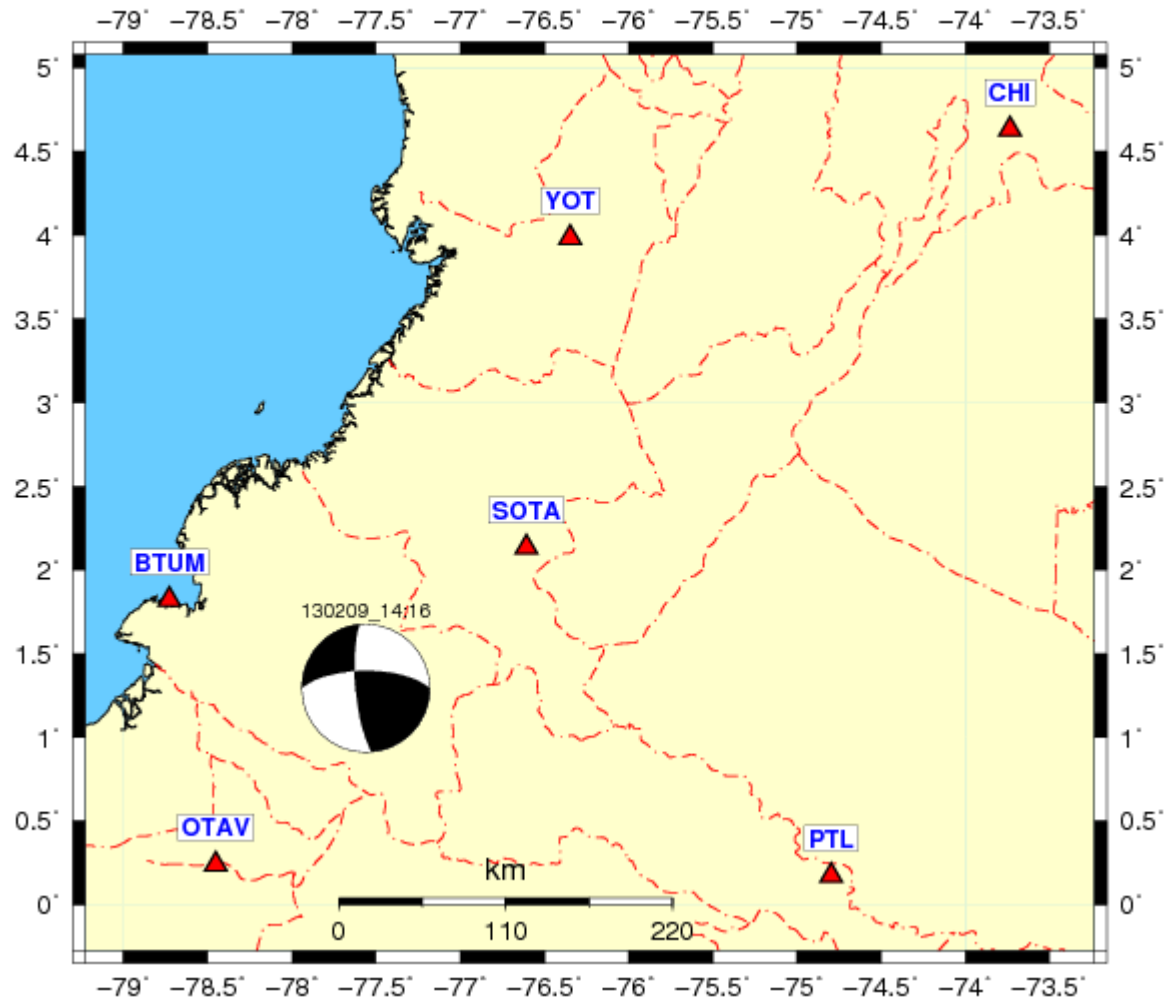


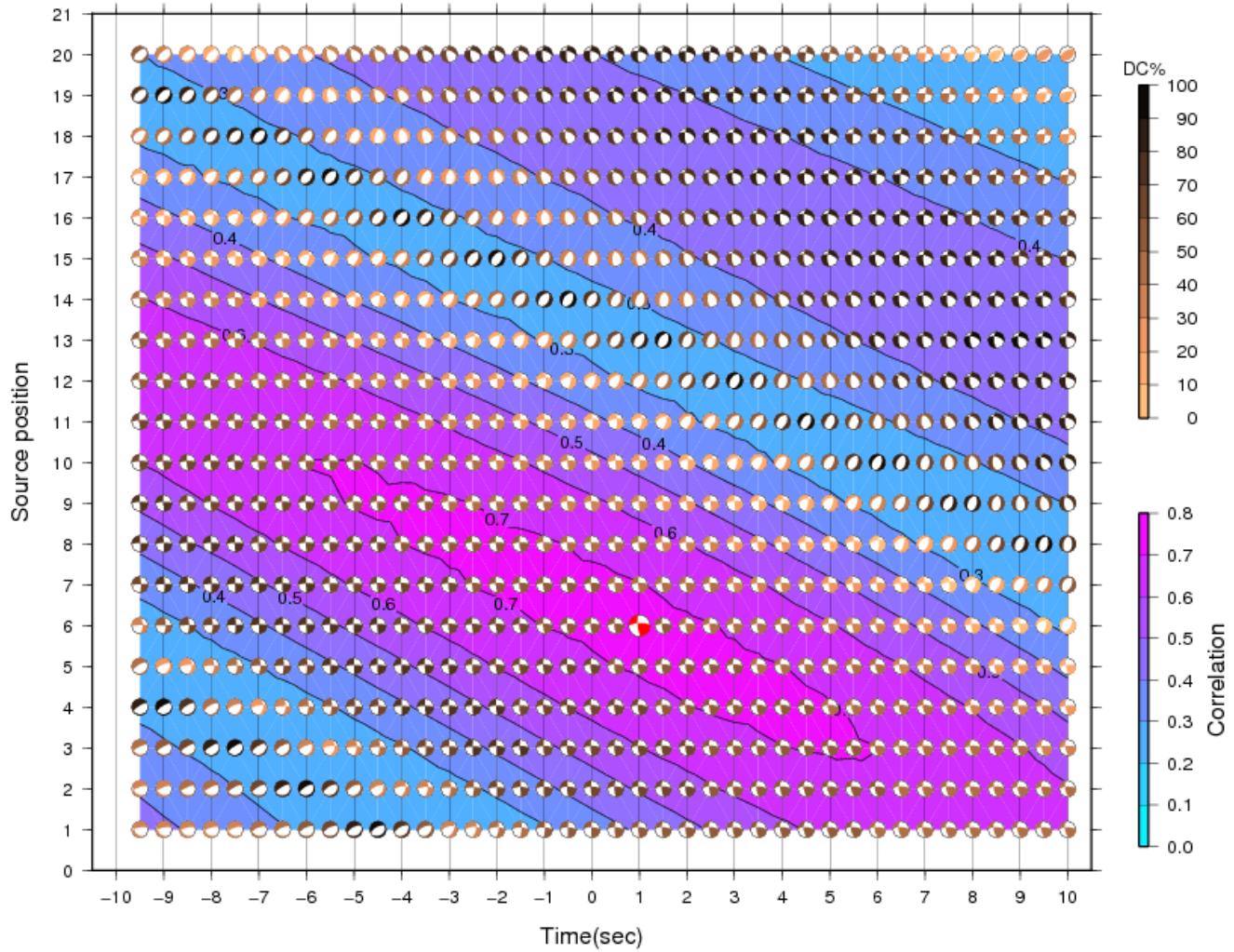
inv2 - Bloc de notas

Archivo Edición Formato Ver Ayuda

27	.00	.185797E+20	270.	68.	14.	175.	77.	158.	224.	6.	131.	25.	326.	64.	49.2	.3974E+00
49	-9.50	.322083E+19	39.	69.	53.	284.	42.	148.	155.	16.	266.	51.	54.	35.	39.0	.4257E+00

Event ID:130209_14_16_05.70



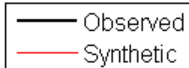


Five stations

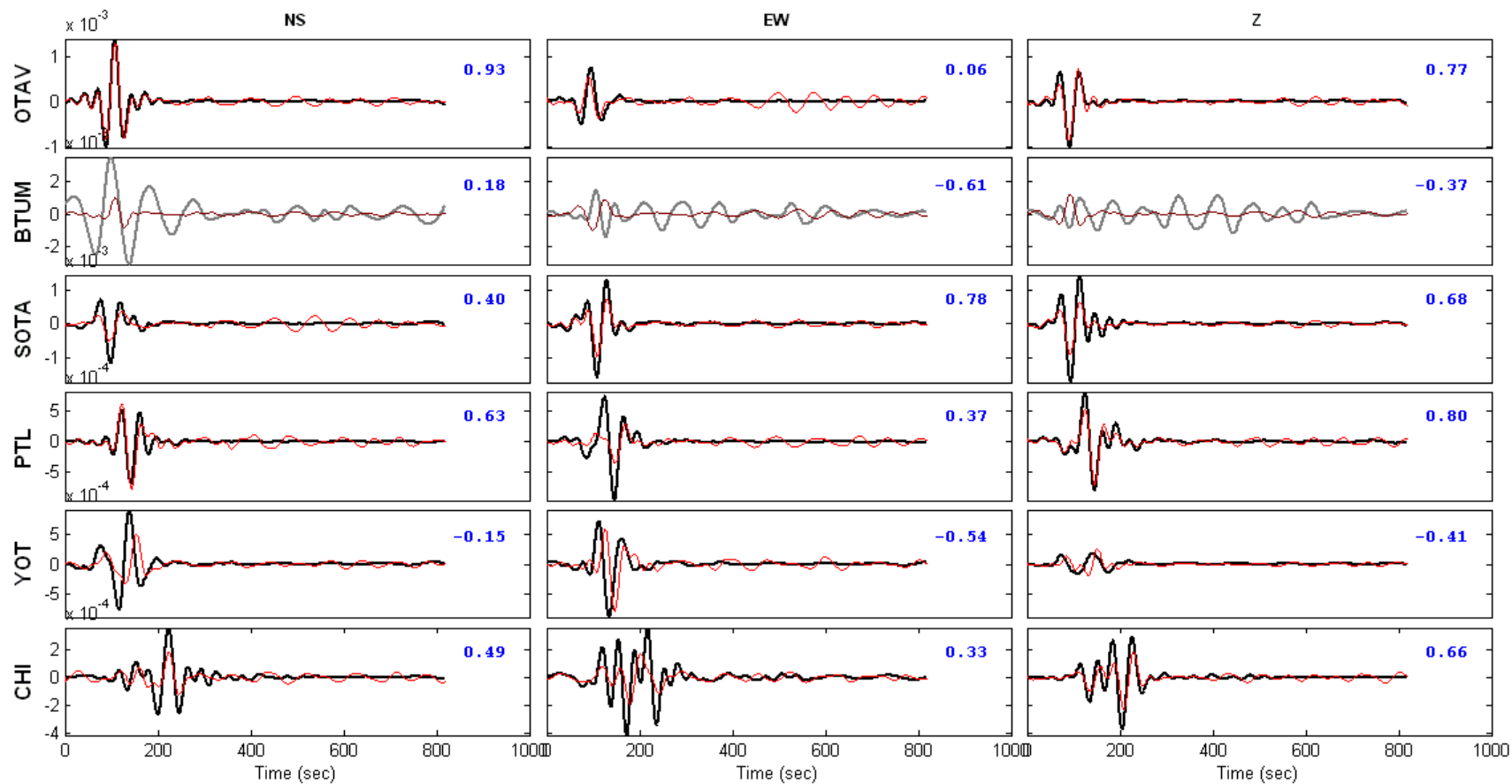
Event date-time: 130209_14_16_05.70

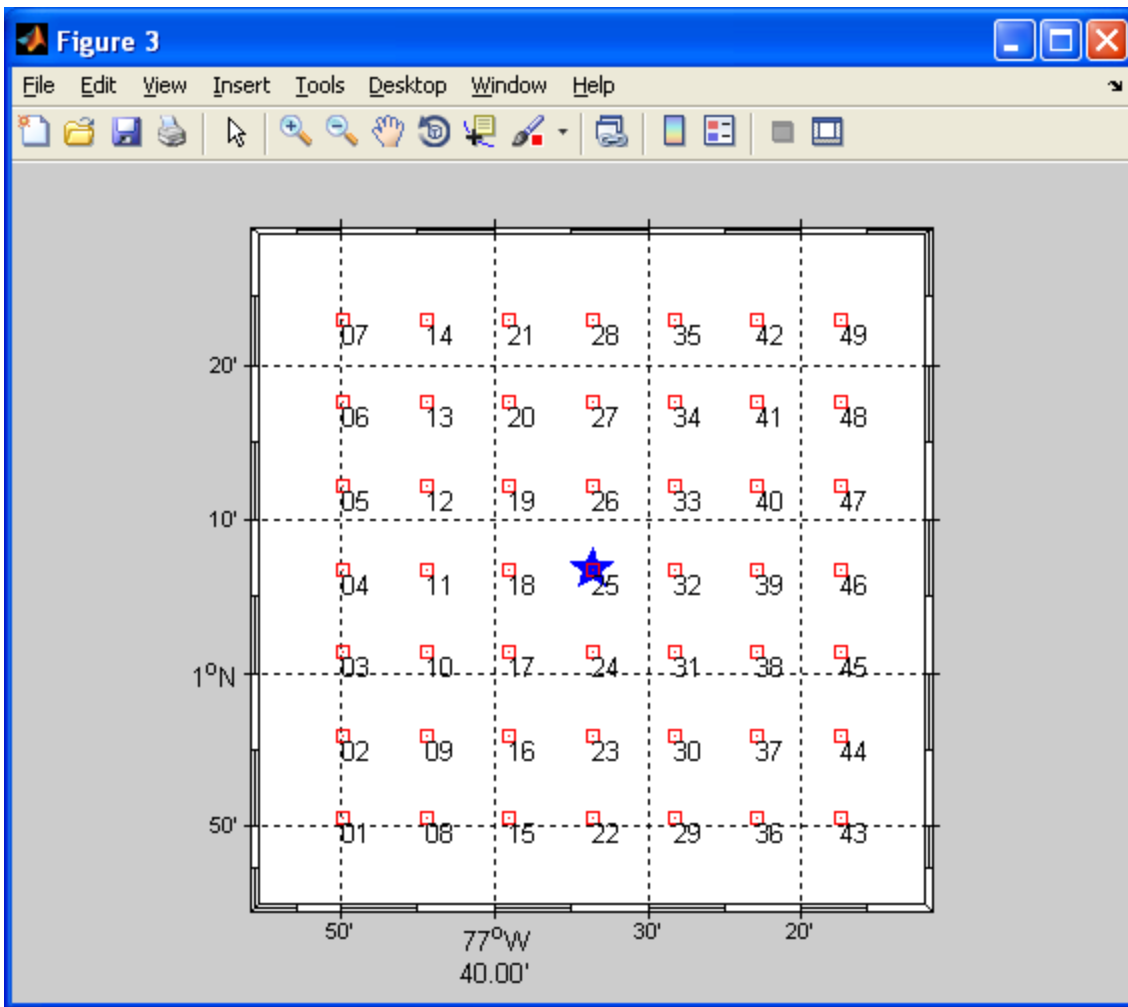
Displacement (m). Inversion band (Hz) 0.01 0.01 0.03 0.04

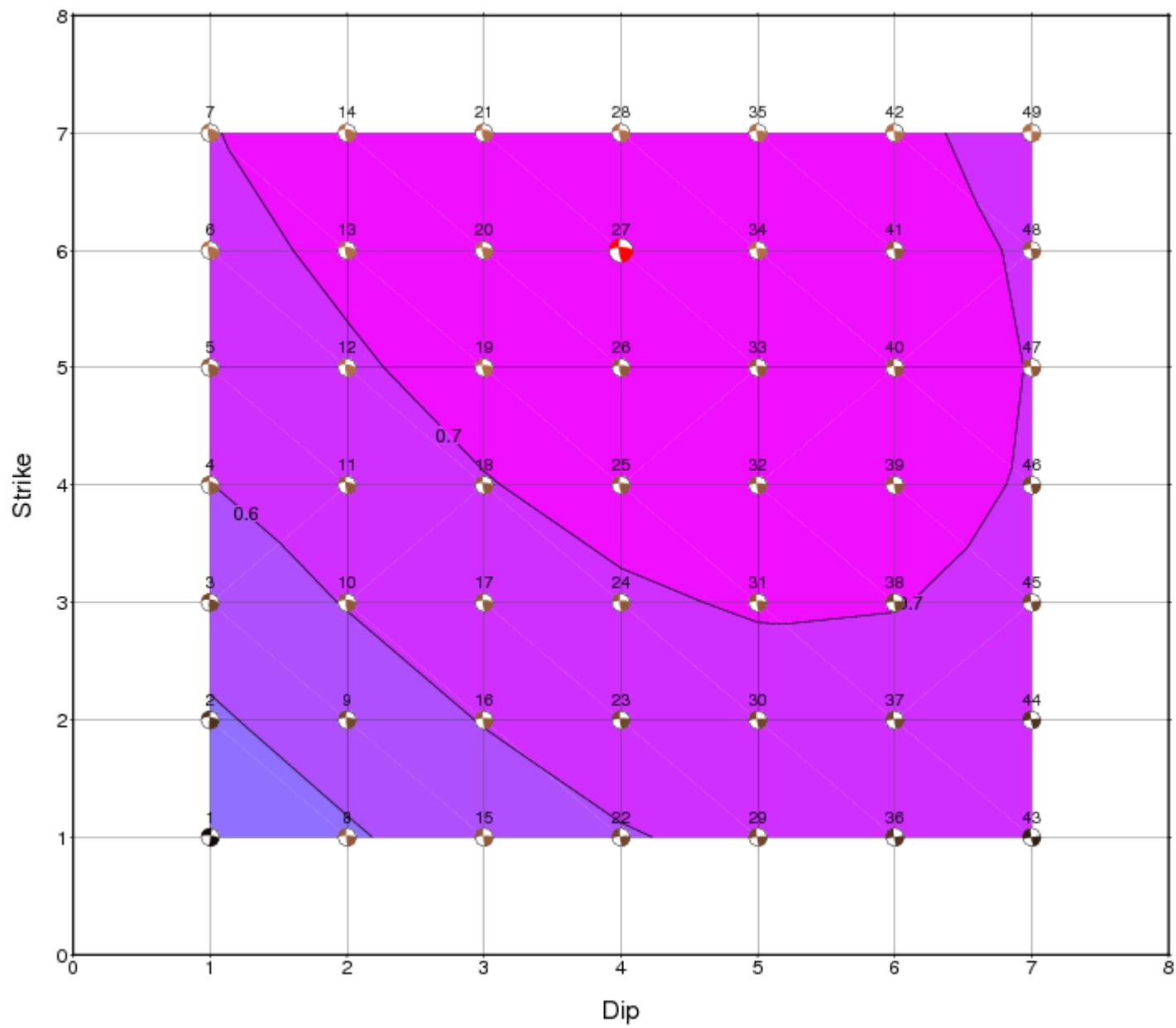
Gray waveforms weren't used in inversion.



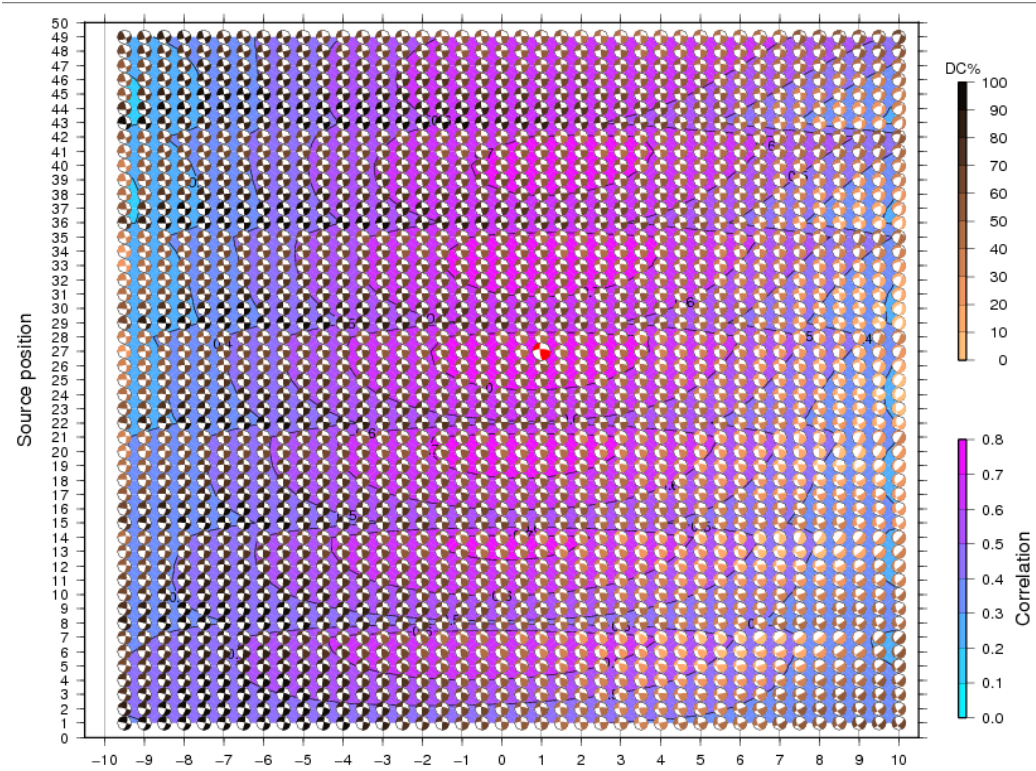
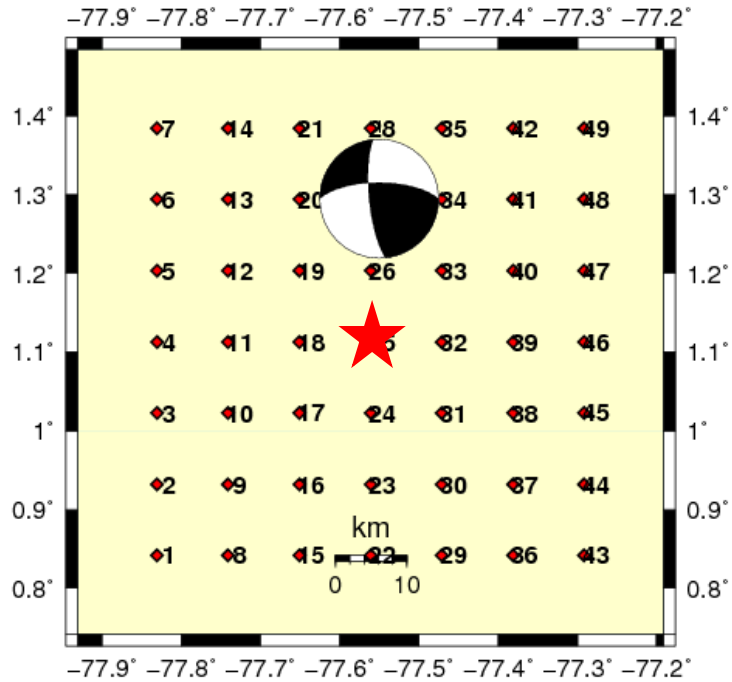
Blue numbers are variance reduction



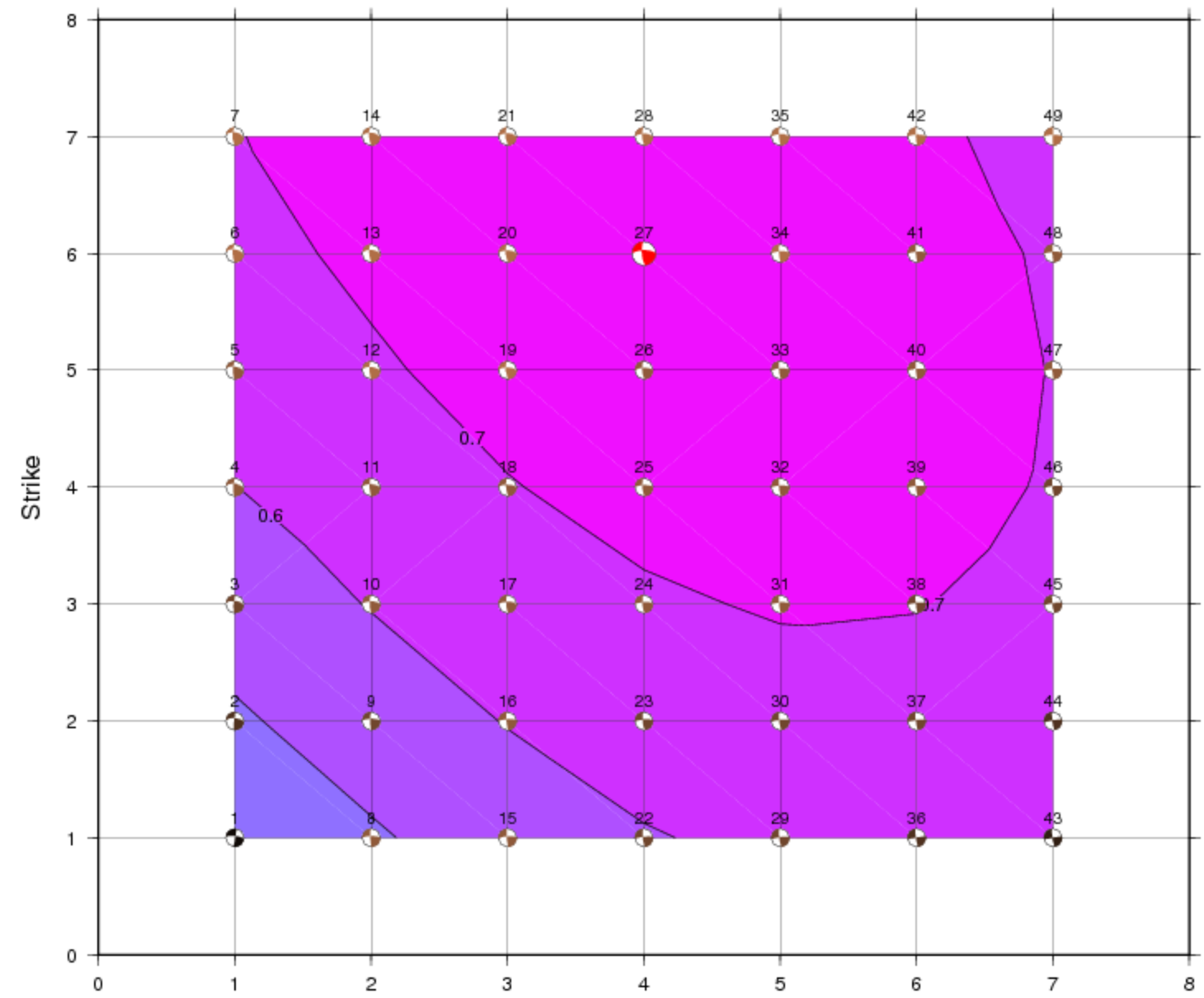


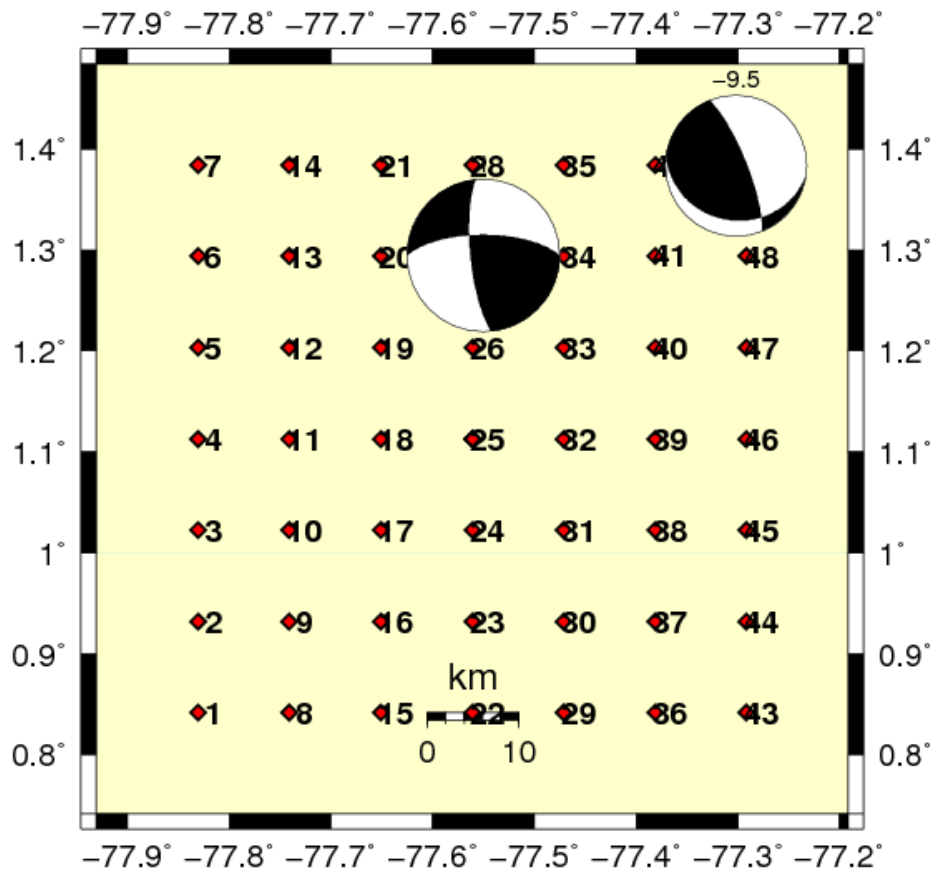


Five Stations



Plane - Depth 170 km





inv2 - Bloc de notas

Archivo Edición Formato Ver Ayuda

27	1.00	.179380E+20	270.	68.	15.	174.	76.	157.	224.	5.	131.	26.	324.	63.	48.4
49	-9.50	.303347E+19	99.	23.	33.	338.	78.	110.	52.	30.	272.	53.	154.	19.	30.1

MOMENT TENSOR SOLUTION

HYPOCENTER LOCATION (RSNC)

Origin time 20130209 14:16:05.70
 Lat 1.113 Lon -77.561 Depth 163

CENTROID

Trial source number : 27 (Multiple Source line or plane inversion)
 Centroid Lat (N)1.2939 Lon (E)-77.561
 Centroid Depth (km) : 170
 Centroid time : +1 (sec) relative to origin time

Moment (Nm) : 1.794e+019

Mw : 6.8

VOL% : 0

DC% : 48.4

CLVD% : 51.6

Var.red.:(for stations used in inversion):0.56 SNR CN FMVAR STVAR
 NaN 2.0 8±5 0.14

Var.red.(for all stations) :0.1

Strike	Dip	Rake	Frequency band used in inversion (Hz)
270	68	15	0.01 - 0.01 -- 0.03 - 0.04

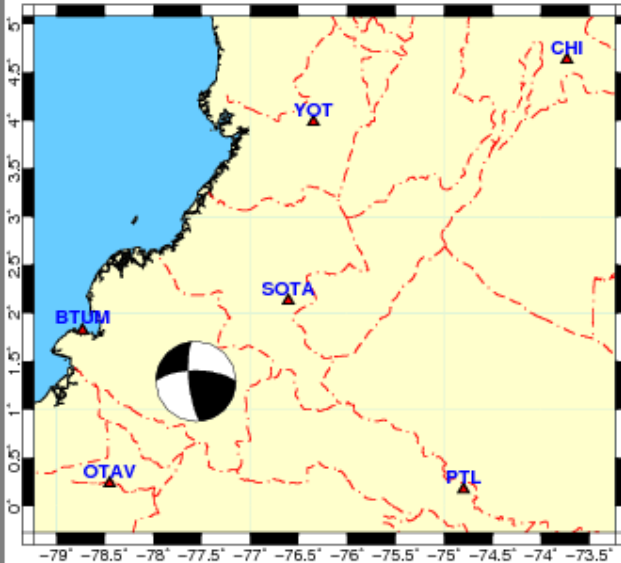
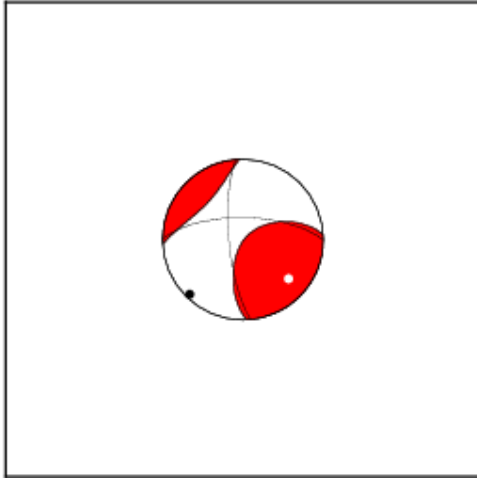
Strike	Dip	Rake	Stations-Components Used-Distance
174	76	157	

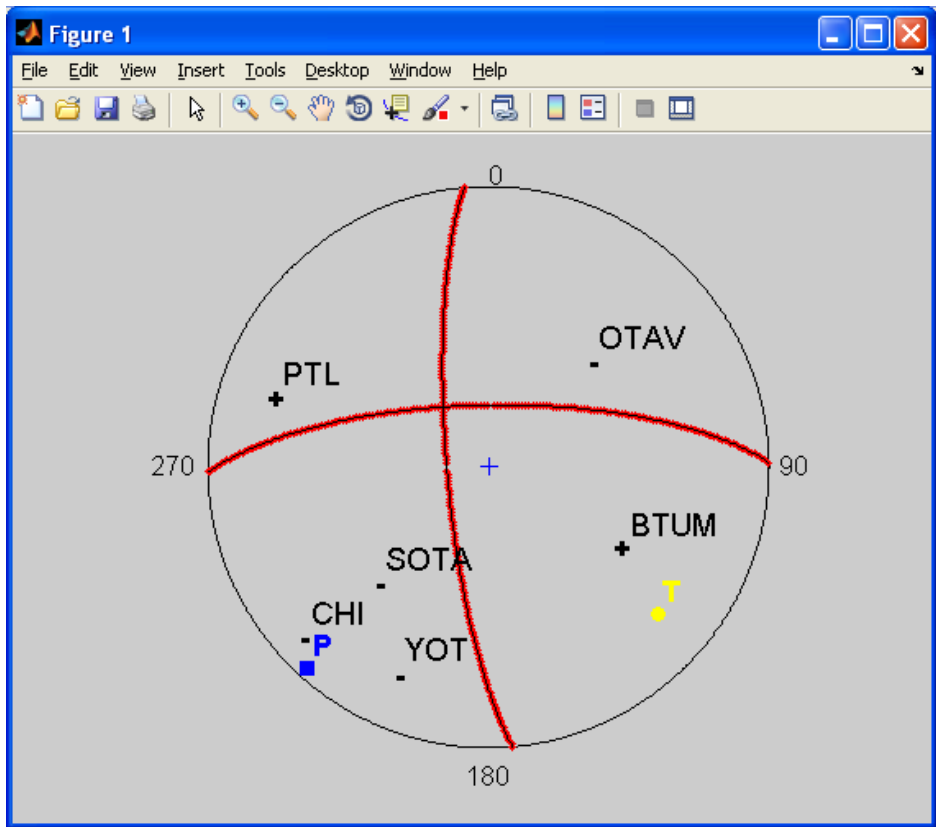
	NS	EW	Z	D(km)
P-axis Azimuth Plunge				
	OTAV	+	+	138
	BTUM	-	-	152
T-axis Azimuth Plunge				
	SOTA	+	+	155
	PTL	+	+	325
	YOT	+	+	345
	CHI	+	+	577

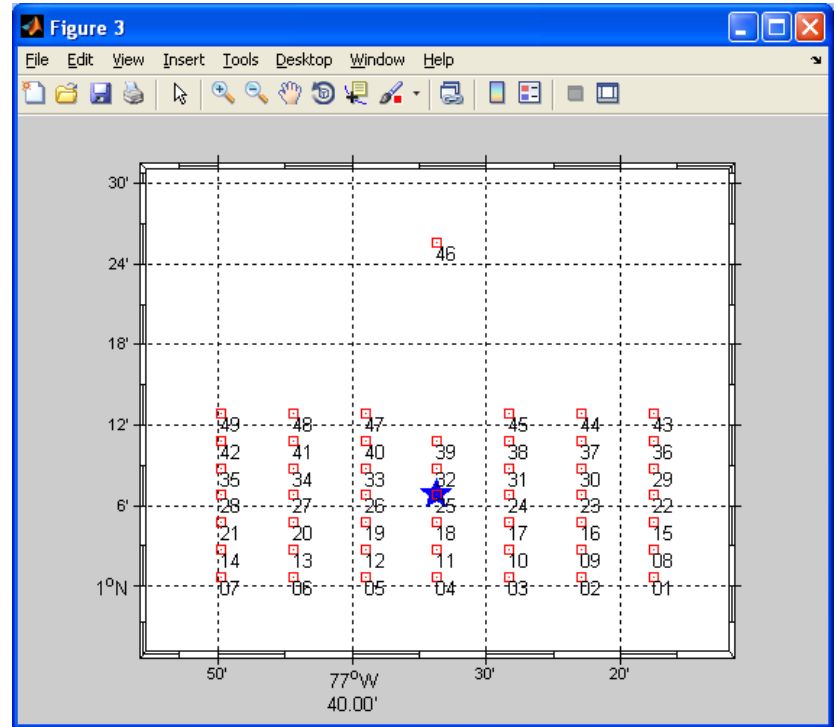
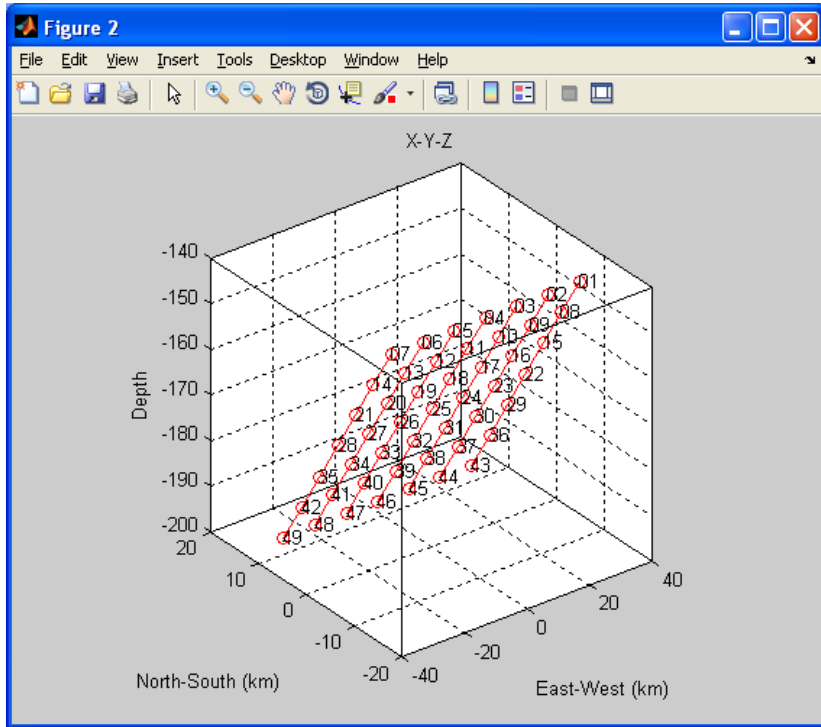
Mrr	Mtt	Mpp
-0.034	-0.153	0.187

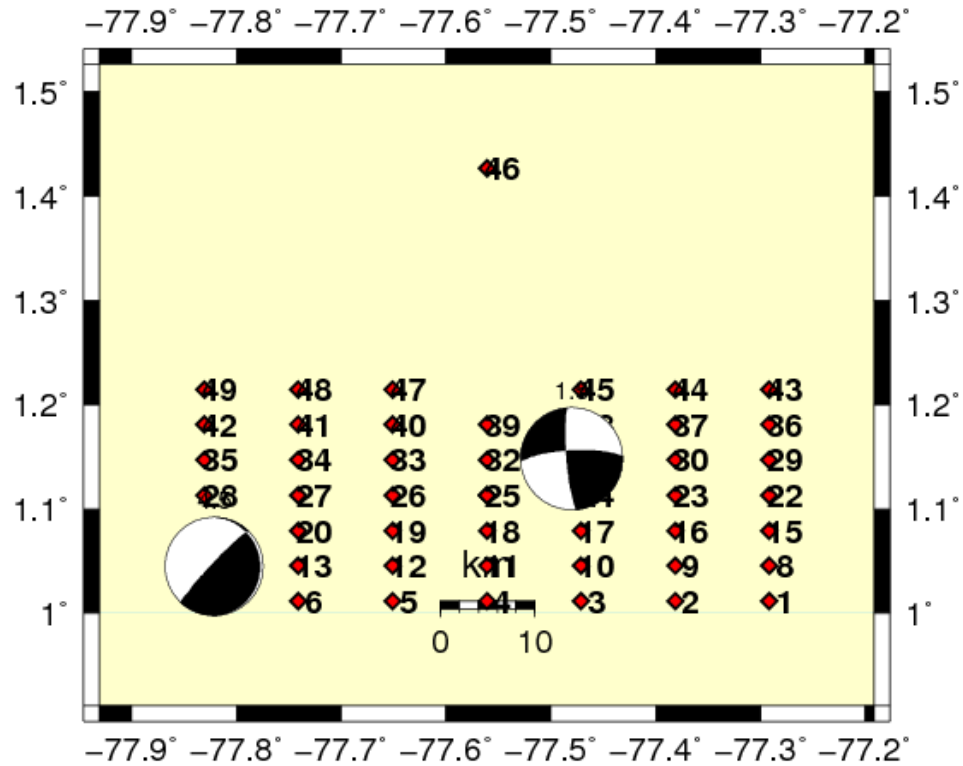
Mrt	Mrp	Mtp
-0.586	-0.814	1.478

Exponent (Nm): 19





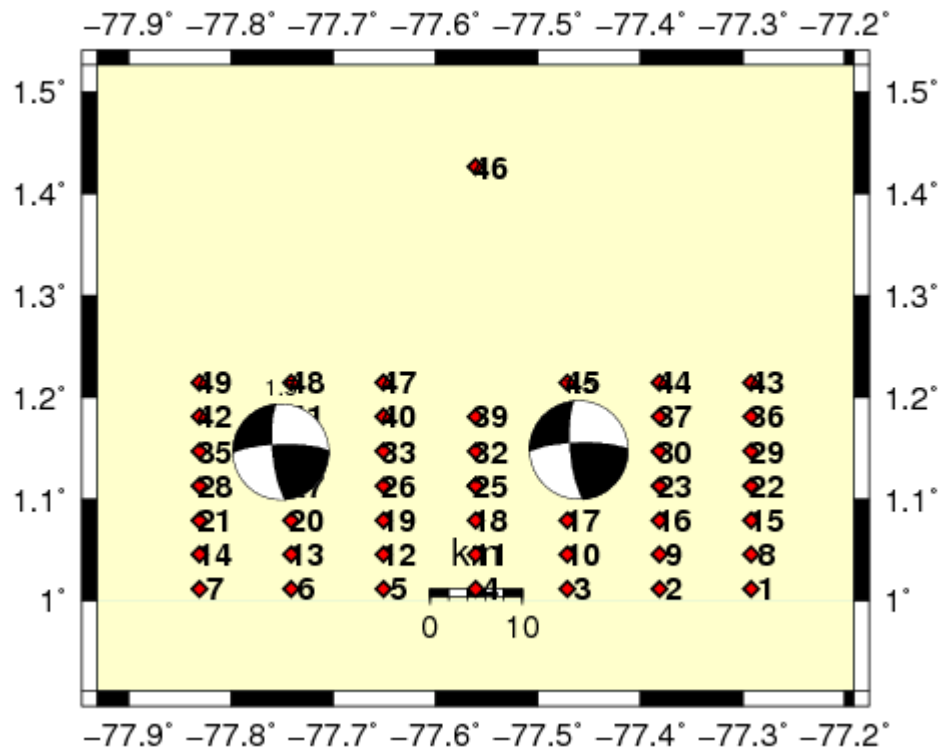




inv2 - Bloc de notas

Archivo Edición Formato Ver Ayuda

31	1.50	.102897E+20	175.	82.	166.	267.	76.	9.	221.	4.	130.	16.	325.	73.	52.8
14	4.50	.469092E+19	356.	8.	43.	223.	84.	96.	308.	39.	140.	50.	43.	6.	68.1



inv2 - Bloc de notas

Archivo	Edición	Formato	Ver	Ayuda													
31	1.50	.859881E+19	175.	76.	167.	268.	77.	14.	41.	1.	132.	19.	309.	71.	100.0		
34	1.50	.446593E+19	175.	76.	167.	268.	77.	14.	41.	1.	132.	19.	309.	71.	100.0		